

# Baltimore Metropolitan Council

## October, 2024



STATE HIGHWAY  
ADMINISTRATION

## Motor Carrier Division

*Providing Commercial  
Vehicle:*

*Mobility, Safety, Security,  
Technology, System  
Preservation*

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*Duane Pearce, Chief*  
*John Rotz, Asst. Chief*  
*James Umekwe, Asst. Chief*  
*Tina Wakefield, IT Manger*  
*Josette Kaintuck, Permit Mgr.*

# WHAT WE DO

- Manage Truck Weigh & Inspection Stations
- Deploy & Manage Virtual Weigh Stations
- Maryland One – Over-dimensional Permits
- Maryland Lead Agency for MCSAP
  - State recipient of \$10M FMCSA grant funds
  - Submit Commercial Vehicle Safety Plan
  - Coordinate 20 +/- enforcement agencies
  - Submit FMCSA Title VI Plan
  - Outreach

# Truck Weigh & Inspections Station



**MDOT**  
MARYLAND DEPARTMENT  
OF TRANSPORTATION

STATE HIGHWAY  
ADMINISTRATION

# Truck Weigh & Inspection Station

- New building & scales completed at Conowingo
- New building to be completed in Spring at Cecilton
- Renovation to buildings at Delmar
- New scales or upgrades to most of the TWIS

# Truck Weigh & Inspection Station

- Sixteen sites throughout Maryland on major highways, bridges and tunnels
- Owned by State Highway and MDTA
- Operated by Maryland State Police & MDTA
- All sites have permanent scales, many have WIM
- Last year, conducted more than 80K inspections
- Last year, stations weighed more than 2M trucks
- Last year, Virtual Weigh stations weighed 21M



# Maryland Virtual Weigh Station Program



**MDOT**  
MARYLAND DEPARTMENT  
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STATE HIGHWAY  
ADMINISTRATION

# Good Truck

**STATE HIGHWAY  
ADMINISTRATION**

Virtual Weigh Station

01:49:47 PM | Class 9

01:49:24 PM | Class 5

No violation 01:49:47 PM



Class 9  
Speed: 64.4 mph  
Length: 60 ft  
Gross: 29420 lbs

-65.9 seconds difference

Wheel Position	Weight (lbs)	Distance (ft)
5	3230	4.1
4	4020	31.2
3	5690	4.3
2	5990	19.9
1	10490	-

7250 lbs (wheels 4-5)  
11680 lbs (wheels 2-3)  
18930 lbs (wheels 3-5)  
22170 lbs (wheels 2-5)

1:49 PM  
10/09/2012



# Bad Truck

STATE HIGHWAY ADMINISTRATION


MD32E - Virtual Weigh Station - Windows Internet Explorer

http://vws.ritis.org/monitor/?station=MD32N

Virtual Weigh Station Settings

07:25:49 AM | Class 7

Over-weight axle  
Over-weight bridge  
Over-weight (tandems)



Class 7  
Speed: 20.4 mph  
Length: 20 ft  
Gross: 60010 lbs

2.5 seconds difference

20850 lbs    21150 lbs    5140 lbs    12870 lbs

4    4.2 ft    3    4.1 ft    2    11.8 ft    1

Done

Internet | Protected Mode: Off


7:26 AM  
08/27/2012



# Field Observation Notice

STATE HIGHWAY  
ADMINISTRATION


Browser address bar: <https://www.ritis.org/vehicle/notice.cfm?v=201308221>



State Highway  
Administration  
Maryland Department of Transportation

**Motor Carrier Division**  
7491 Connelley Drive  
Hanover, Maryland 21076

**FIELD OBSERVATION NOTICE**  
*Virtual Weigh Site Compliance & Education Program*



Vehicle ID: 20130822144633-10-152297  
 Date: 08/22/2013 2:46:33 PM  
 Weight: 124070 lbs  
 Speed: 43.2 mph  
 Length: 67.9 ft  
 Class: 10  
 Flags: Over weight gross, over weight bridge, over weight axle, over weight tandems **VIOLATION**

Spacing:	4.5	4.5	36.3	4.5	18.1	
Axles:						
Wt:	18.7	18.7	18.8	28.5	28.8	10.5

Company Name: \_\_\_\_\_

DOT Number: \_\_\_\_\_

Location: \_\_\_\_\_

**THIS IS NOT A TRAFFIC CITATION!**

This notice is provided from Maryland State Highway Administration, Motor Carrier Division to improve safety awareness.

**The vehicle shown may be in violation of state or federal requirements**

The Motor Carrier Division is available to discuss information in detail and provide no cost training & education to assist in the prevention of safety violations.

For information or inquiries please contact:

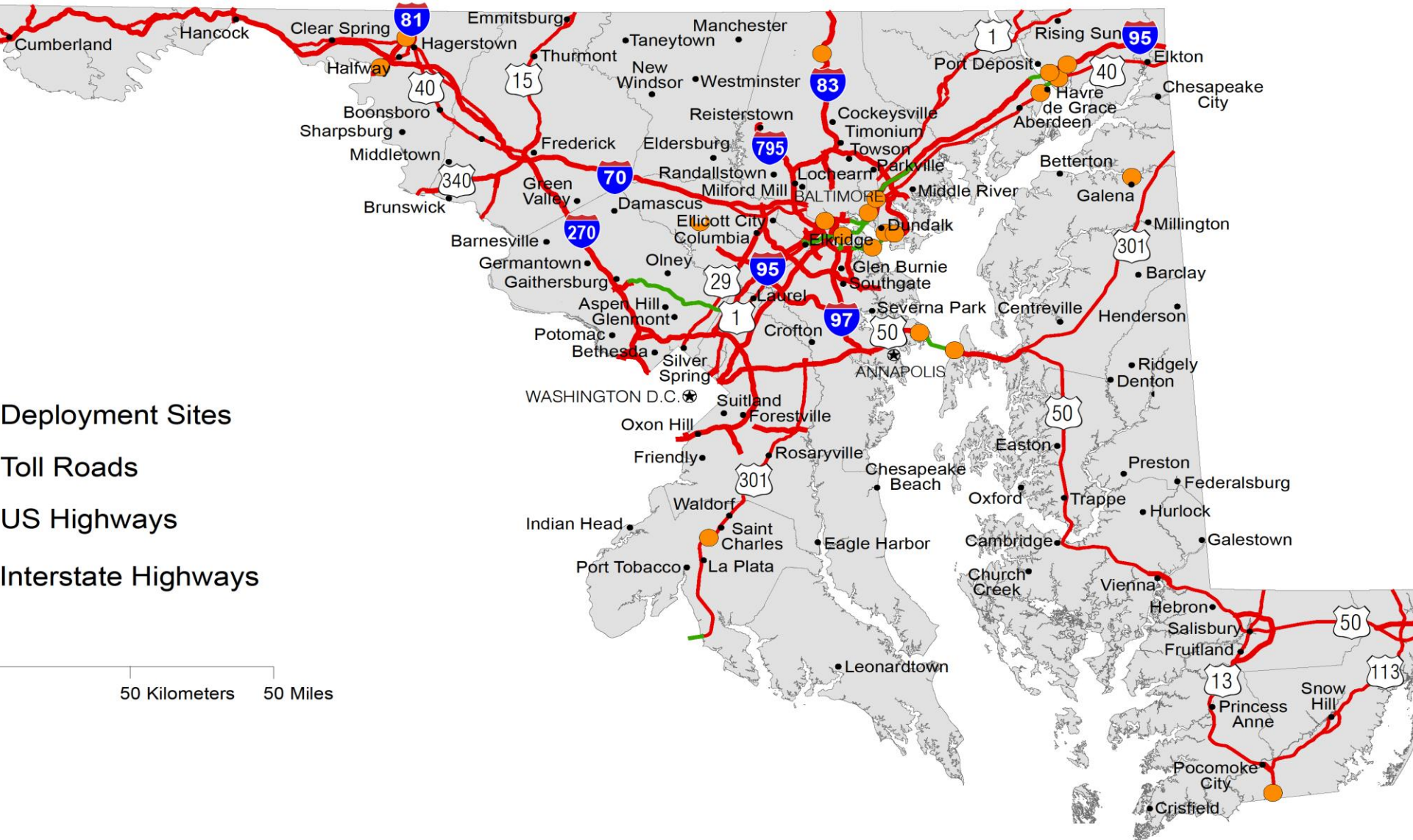
Duane W. Pearce  
 CVISN Data Manager – Safety, Training/Education & Compliance  
 Motor Carrier Division, Office of Traffic & Safety  
 dpearce@sha.state.md.us  
 410-582-5719

cc: Maryland State Police, Commercial Vehicle Enforcement Division (MSP-CVED)  
 cc: Maryland Transportation Authority Police, Commercial Vehicle Safety Unit (MDTA-CVSU)

Done



# VIRTUAL WEIGH STATIONS



# Why Virtual Weigh Stations?

- Virtual Weigh Stations can identify speed, height, and weight of each axle of a truck moving at highway speed – no need for the vehicle to stop
- Identify unsafe trucks and their companies
- Efficient use of law enforcement personnel
- Stop oversize/overweight loads on bypass roads
- Minimize damage to roads, bridges and tunnels from grossly over weight loads
- Prevent oversize/overweight load permit fraud
- Traffic management on state, county and other road arteries
- Quick deployment, low capital and operational costs

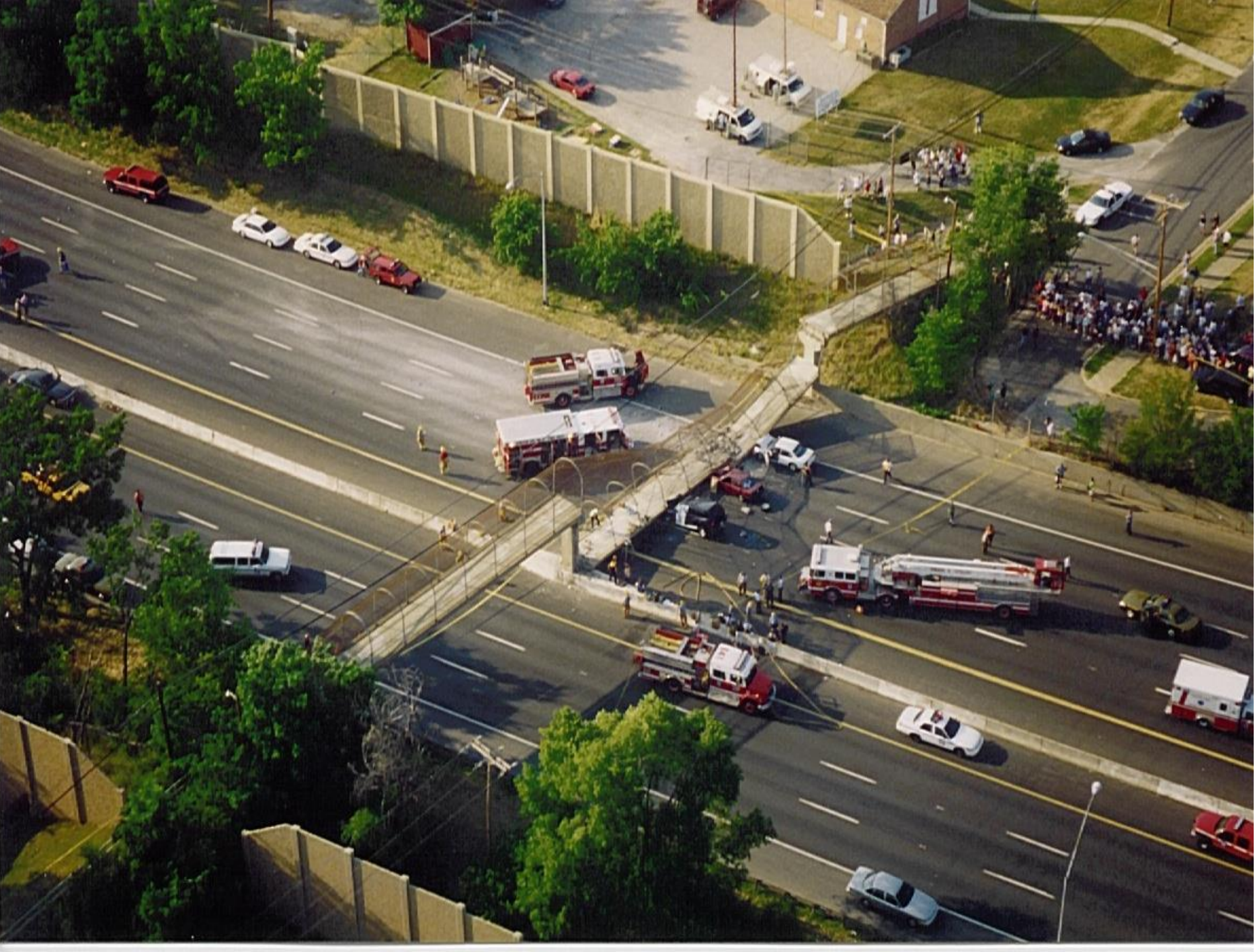
# CHALLENGE

How do you move objects that are larger than the legal limits without:

harming the roads and bridges, or

being a safety risk?







# Maryland One Hauling Permits System

Maryland COMAR  
Title 11.04.01.01 -  
11.04.11.12



# General Conditions for Movement of Oversize and Overweight Vehicles

## 11.04.02.03      **Safety**

***The Permittee shall ensure the safety and rights of the public and be responsible for:***

- adequate flag persons and escorts
- wide load or oversize load signs
- maintaining proper distance from another permit vehicle
- using the shortest practical route using the interstate and State routes to reduce travel on secondary highways.
- traveling during favorable road and weather conditions
- using warning flags during the day and warning lights at night



# Height Surveys

Everything 14'6" or higher requires a height survey





# FINES

**24-112 (e)1** Persons violating SHA permit condition that allows oversized Vehicle on hwy:

**24-112 (e)2** Persons failing to obtain and possess required permit before moving an oversize, overweight load:

**1<sup>st</sup> offense** .....**\$1010.00**

**2<sup>nd</sup> offense** .....**\$1540.00**

**3<sup>rd</sup> offense** .....**\$2040.00**

# E-Permits

- \*Laptop
- \*Ipad
- \*Smartphones

- \*\*\*MUST Be able to display the permit
- \* .pdf files



# Maryland One E-Permits

- Maryland issued over 135,000 permits
- Generated over \$17,000,000 revenue
- Over 89% were issued automatically
- What used to take hours – now takes minutes
- With accepted routes no engineering review is required
- Superloads are the exception





MARINO

Deer Creek

157

HARMONY CHURCH

RENTAL

MADE

MADE

MADE

MADE

MADE

MADE

MADE

MADE

MADE

MADE

MADE









To the **LARGEST...** Gross weight- 2,056,170 lbs



**Generator**

Length- 271'0"

Height-20'

Width-22'0"





**Proud FMCSA grant recipient helping to improve roadway safety**

*Awardee*  
**High Priority Grant**



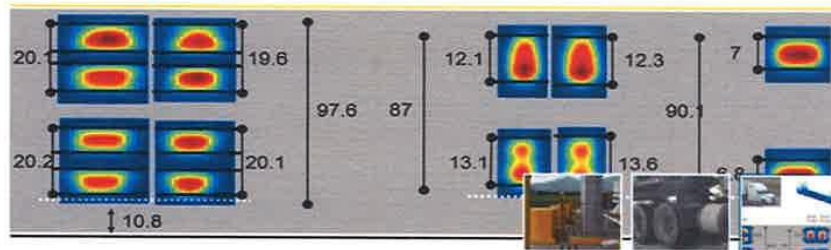
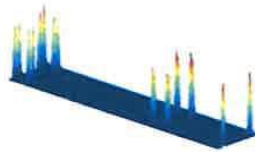
U.S. Department of Transportation  
**Federal Motor Carrier Safety Administration**

# Maryland FFY2024 Award

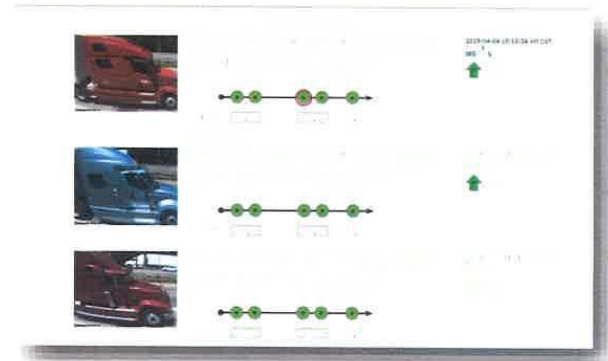
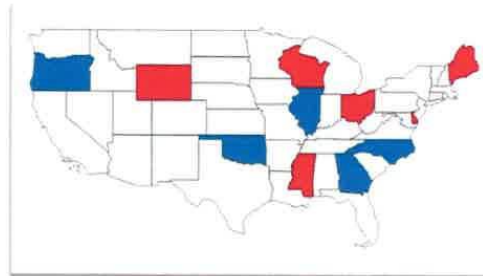
- Funding to:
- Retrofit and Upgrade Virtual Weigh Stations
- Provide data alerts for work zones, congestion and other roadway problems



# Tire Safe Screening Systems



# More Safe Screening Services



# Motor Carrier Safety Assistance Program (MCSAP)

- Lead MCSAP agency writes grants that include commercial vehicle inspections, traffic enforcement, terminal audits and outreach.
- Provide federal funding to 20+ enforcement agencies and monitors their performance
- Monitors Title VI compliance at state and local level.

# Outreach/Education

- Outreach to the trucking industry can take the form of signs for regulation and weight enforcement.
- Printed media such as the Maryland Truckers' Map or Motor Carrier Handbook
- October 4<sup>th</sup> is the Maryland Safety Summit where speakers will provide information on a variety of safety topics.



# Billboards – Static, Digital and Mobile









# Outreach/Education

- Since not all crashes are caused by the driver of the commercial vehicle, the general motoring public are provided messages to enhance safety.
- It is dangerous to tailgate trucks because forward visibility is limited
- It is dangerous when passing a truck to pull back in front of the truck without allowing for their longer stopping distance.





**IF A TRUCK  
STOPS QUICKLY -  
CAN YOU?**

**DON'T TAILGATE  
TRUCKS**

**MDOT**  
MARYLAND DEPARTMENT  
OF TRANSPORTATION  
STATE HIGHWAY  
ADMINISTRATION

[roads.maryland.gov](http://roads.maryland.gov)



# DON'T CUT OFF TRUCKS

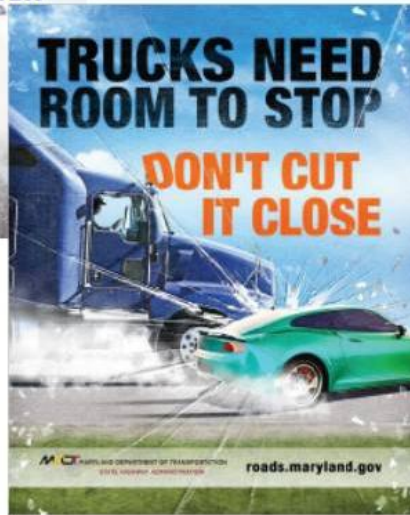
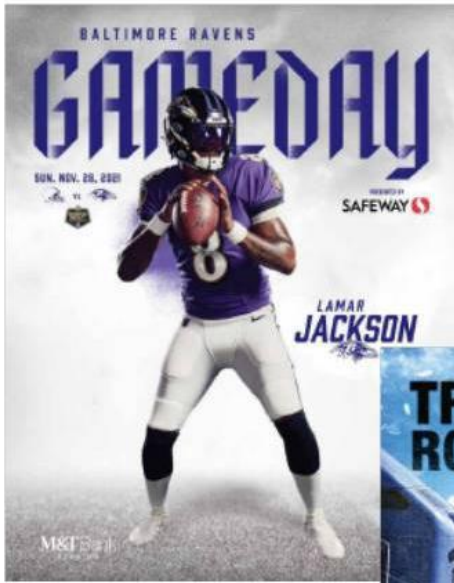
AGGRESSIVE DRIVING IS A **BIG MISTAKE.**

**MDT**  
MARYLAND DEPARTMENT  
OF TRANSPORTATION  
STATE HIGHWAY  
ADMINISTRATION

**ADAPT**  
ADAPTING DRIVERS TO PUBLIC TRUCKS



# Print Media



A screenshot of the Washington Times website. The header features the newspaper's name "The Washington Times" and the tagline "Reliable Reporting. The Right Opinion." Below the header is a navigation bar with links for News, Policy, Commentary, Sports, Special Reports, Events, Podcasts, and Games. The main content area includes a "TRENDING" section with topics like Donald Trump, China, and Max Scherzer. A large blue banner for St. George's University School of Medicine is prominent. The "Sports" section is active, featuring a headline about Max Scherzer's frustration with MLB's foreign substance enforcement. Other sports-related headlines include "Pistons win lottery, receive No. 1 pick in 2021" and "Watershed moment for NFL years in making". A "Follow Us" section with social media icons and a "SIGN UP FOR OUR DAILY NEWSLETTERS" form are also visible.



# MOTOR CARRIER DIVISION

- Questions and Open Discussion
  - Duane Pearce, Division Chief, Motor Carrier Division  
410-582-5734, [dpearce@mdot.maryland.gov](mailto:dpearce@mdot.maryland.gov)
  - John Rotz, Asst. Division Chief, Motor Carrier Division  
410-582-5735, [jrotz@mdot.maryland.gov](mailto:jrotz@mdot.maryland.gov)